ORDER NO. HAD85032446C1
A1

Service Manual

AM/FM Stereo Radio with Cassette Tape Deck and Record Player

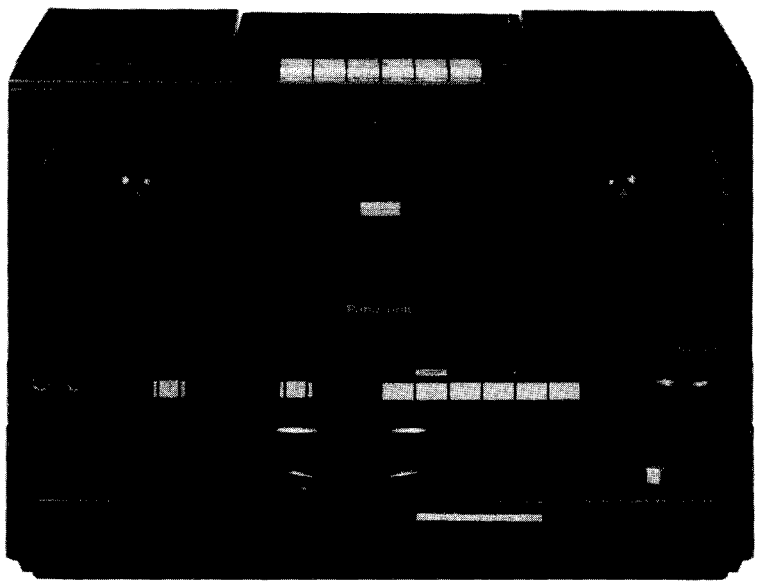
Portable Stereo

SG-J555

Color

(K). . . Black Type

Color	Area
(K)	[MX]. . . . U.S.A.



SPECIFICATIONS

AMPLIFIER SECTION

Input Sensitivity & Impedance
MIC ..... 2mV, 4.7k Ω
Loudness Control ..... +8 dB at 100 Hz (Volume at −30 dB position

FM TUNER SECTION

Frequency Range ..... 88 MHz ~ 108 MHz
Intermediate Frequency (IF) ..... 10.7 MHz
Sensitivity ..... 6.5 μV (at 1 kHz, 30% Mod.) at 75Ω
Stereo Separation ..... 34 dB (at 1 kHz, 60 dB, 40 kHz)

AM TUNER SECTION

Frequency Range ..... MW: 525 kHz ~ 1605 kHz
(571 m ~ 187 m)
Intermediate Frequency (IF) ..... 450 kHz
Sensitivity ..... MW: 220 μV/m (1 MHz)

TAPE DECK SECTION

Deck System ..... Auto stop
Track System 4-Track, 2-Channel
Head Type ..... Hard Permalloy (Rec/Play)
Double Gap Ferrite (Erase)
Recording System ..... AC Bias (50 kHz)
Erasing System ..... AC Erase (50 kHz)
Tape Speed ..... 4.8 cm/sec. (1-7/8IPS)
Frequency Response ..... 50 Hz ~ 12 kHz
Signal/Noise Ratio ..... 50 dB (DIN)
Wow & Flutter ..... 0.2% (WRMS)

PHONO SECTION

Turntable System ..... Belt drive
Turntable Platter ..... 16 cm (6-5/16")
Turntable Speed ..... 33-1/3 rpm and 45 rpm
Phono-Motor ..... Electronically Controlled DC Motor
Cartridge ..... Ceramic cartridge (EPC-13STH)
Stylus ..... Sapphire tip (EPS-41ST)
Stylus Pressure Range 5.9g

SPEAKER SYSTEM

Speaker ..... 12 cm (4-3/4") Dynamic Speaker
Input Impedance 6Ω

GENERAL

Power Consumption 15W
Power Supply ..... AC 110V/120V/220V/240V, 50/60 Hz
Battery: 12V (8 × UM-1, "D" size battery)
DC IN : 13.2V
Optinal car adaptor (RP-952)
Dimensions (W × H × D) ..... 395 mm × 273 mm × 209 mm
(15-35/64") × (10-14/45") × (8-7/32")
Weight ..... 5 kg (without batteries)
(11 lbs)
5.8 kg (with batteries)
(12.7 lbs)

* Specifications are subject to change without notice for further improvement.

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SAFETY PRECAUTION

1. Before servicing, unplug the power cord to prevent an electric shock.
2. When replacing parts, use only manufacturer's recommended components for safety.
3. Check the condition of the power cord. Replace if wear or damage is evident.
4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

● INSULATION RESISTANCE TEST

1. Unplug the power cord and short the two prongs of the plug with a jumper wire.
2. Turn on the power switch.
3. Measure the resistance value with ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screwheads antenna, control shafts, handle brackets, etc. Equipment with antenna terminals should read between 3 MΩ and 5.2 MΩ to all exposed parts.* (Fig. A) Equipment without antenna terminals should read approximately infinity to all exposed parts. (Fig. B)

***Note:** Some exposed parts may be isolated from the chassis by design. These will read infinity.

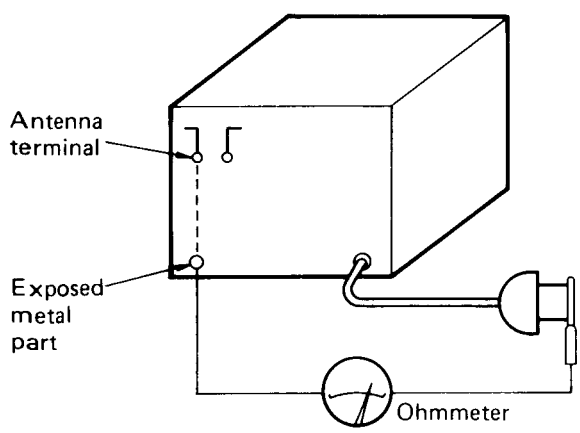


Fig. A

Resistance = 3MΩ—5.2MΩ

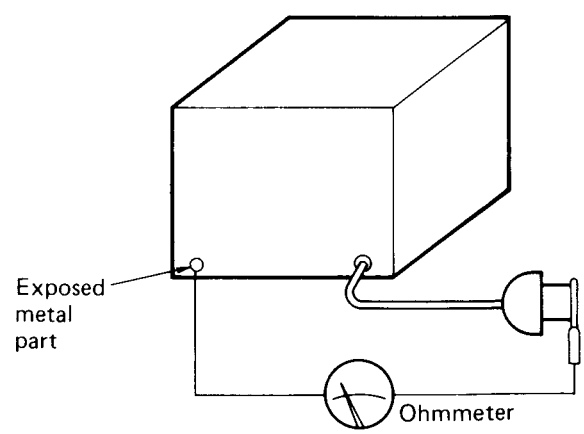
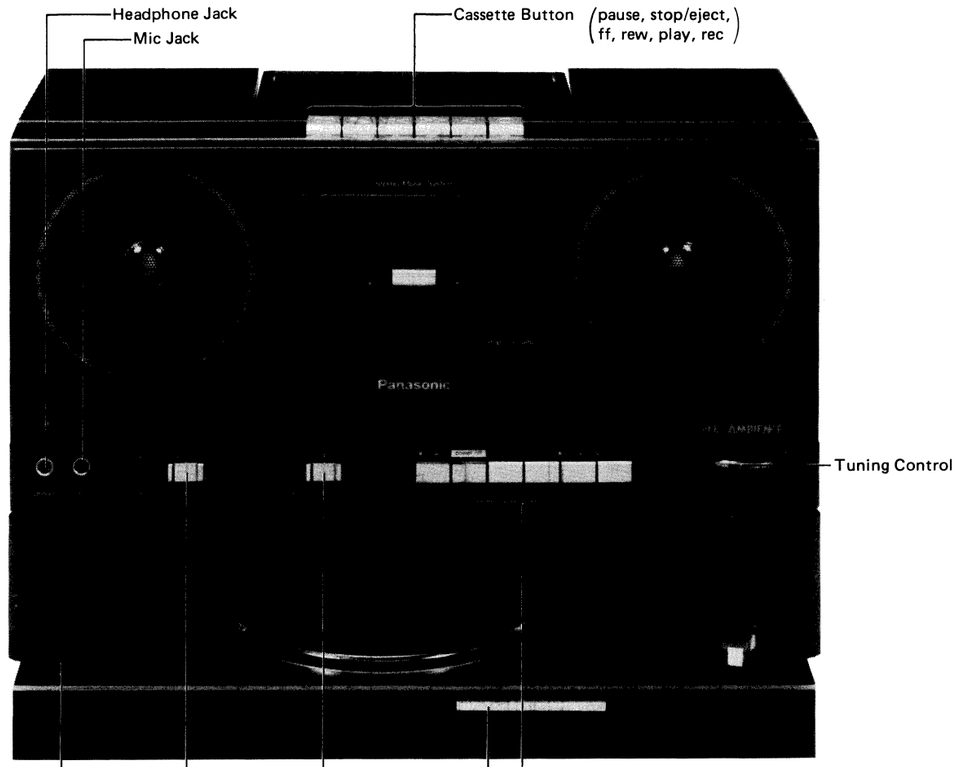


Fig. B

Resistance = Approx ∞

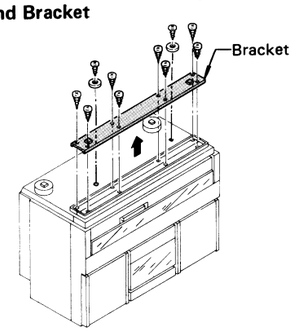
4. If the measurement is outside the specified limits, there is a possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.

LOCATION OF CONTROLS

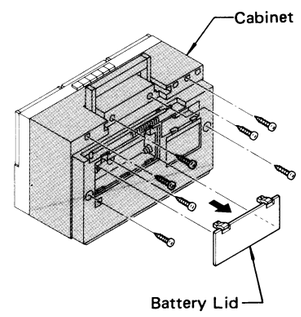


DISASSEMBLY INSTRUCTIONS

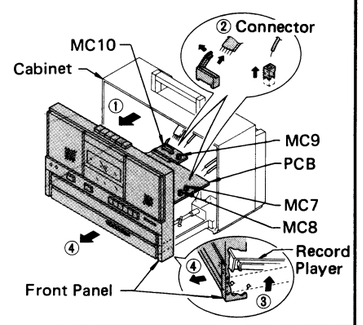
❶ Remove the Power Cord, Battery and Bracket



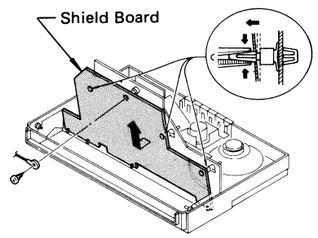
❷ Remove the Cabinet



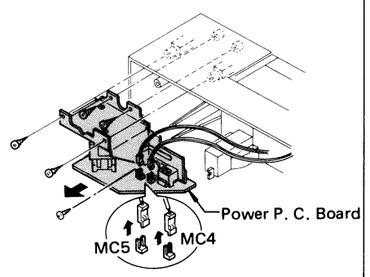
❸ Remove the Front Panel



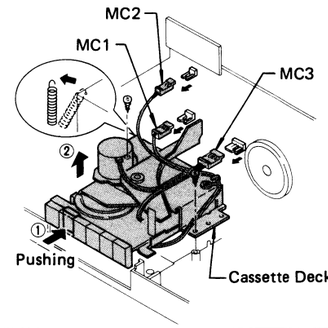
❹ Remove the Shield Board



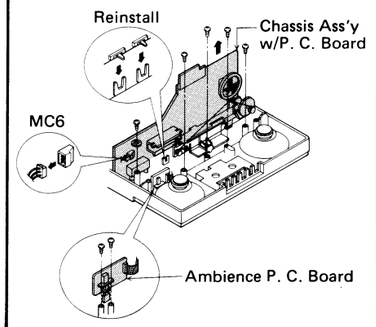
❺ Remove the Power P. C. Board



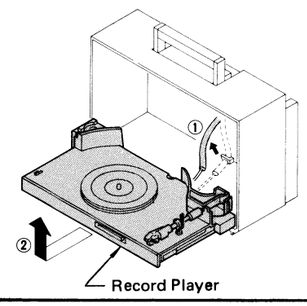
❻ Remove the Cassette Deck



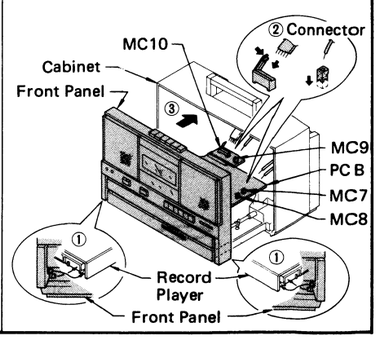
❼ Remove the Chassis Ass'y



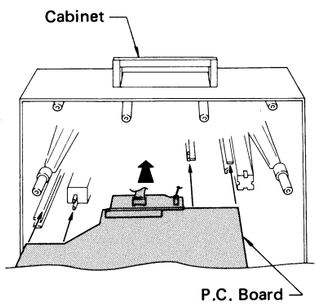
❽ Remove the Record Player



❾ Reinstall the Front Panel-1



❿ Reinstall the Front Panel-2



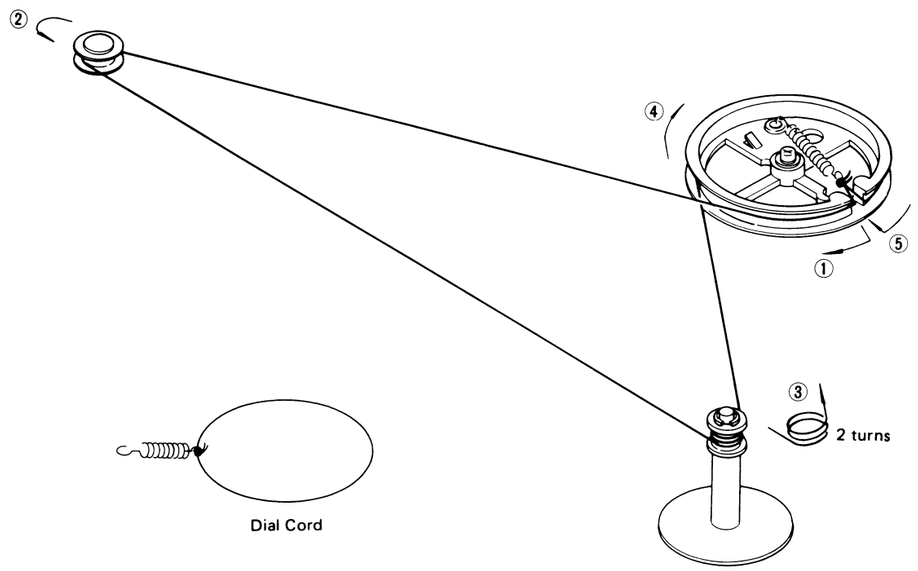
- **To Replace the Parts on P. C. Board**
  - **Main P. C. Board** . . . . . Refer to ❶ ~ ❹
  - **Power P. C. Board** . . . . . Refer to ❶ ~ ❸, ❺
- **To Remove the Cassette Deck** . . . . . Refer to ❶ ~ ❸, ❻
- **To Remove the Chassis Ass'y** . . . . . Refer to ❶ ~ ❸, ❹, ❻, ❼
- **To Remove the Player** . . . . . Refer to ❶ ~ ❸, ❽
- **To Reinstall the Front Panel** . . . . . Refer to ❾, ❿, ❷, ❶

DIAL CORD STRINGING GUIDE

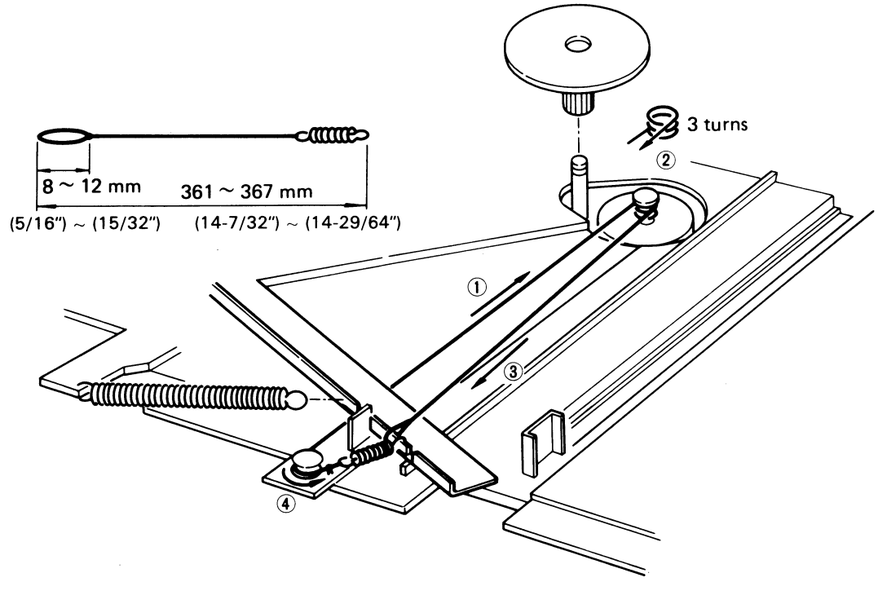
NOTE:

Dial Drum..... Turn Fully Clockwise

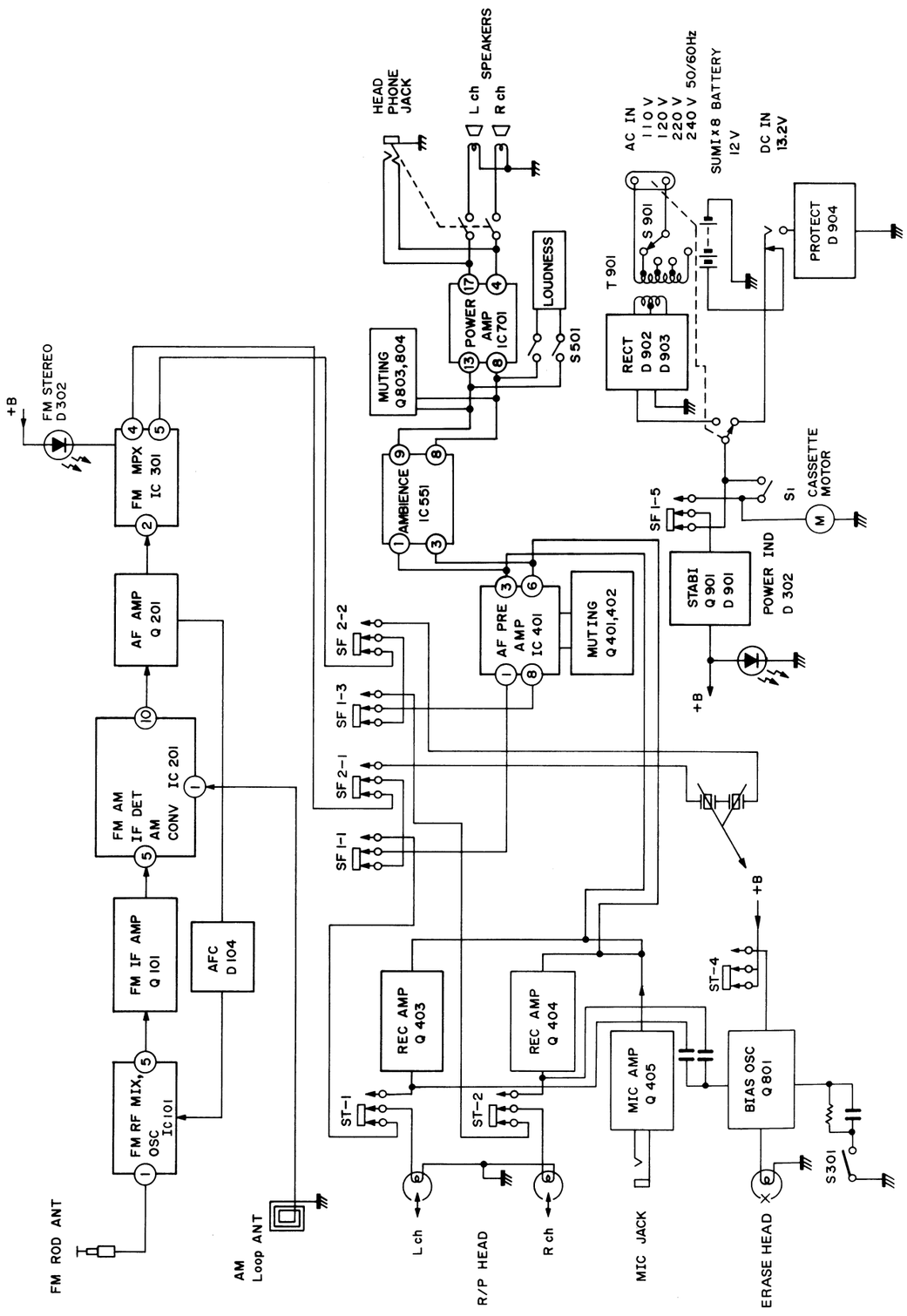
Dial Cord Loop Length..... 80 cm (30-1/2")



PLAYER CORD STRINGING GUIDE



BLOCK DIAGRAM



MEASUREMENTS AND ADJUSTMENT

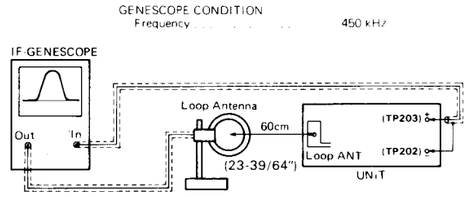
■ Radio

Control Positions

- Volume Control..... Audible level of speaker sound (AM-RF, FM-RF); Minimum (AM-IF, FM-IF).
- Tone Control..... Maximum
- FM Mode Selector..... FM AUTO
- Loudness Switch..... ON
- Output of signal generator should be no higher than necessary to obtain output reading.
- Make certain that speaker system is connected to the receiver when aligning (or use relivant dummy load resistors).

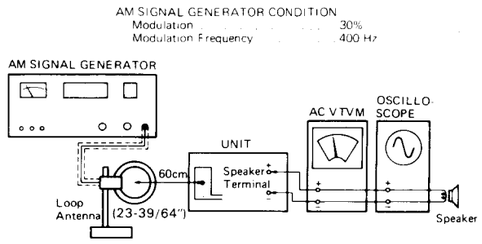
AM-IF ALIGNMENT

1. Test equipment connection is shown in figure.
2. Place unit into AM position.
3. Place the radio dial setting to point of noninterference.
4. Adjust **T202** and **T203** for maximum output and symmetrical curve.



AM-RF ALIGNMENT

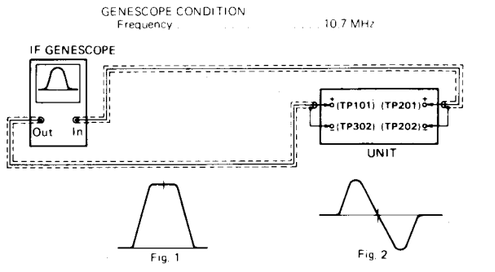
1. Test equipment connection is shown in figure.
2. Place unit into AM position.
3. Place the radio dial and signal generator setting to **513 kHz.**
4. Adjust **L205** for maximum output.
5. Place the radio dial and signal generator setting to **600 kHz.**
6. Adjust **L201** for maximum output.
7. Place the radio dial and signal generator setting to **1645 kHz.**
8. Adjust **CT202** and **CT201** for maximum output.
9. Repeat steps 3. ~ 8.



FM-IF ALIGNMENT

1. Test equipment connection is shown in figure.
2. Place unit into FM position.
3. Place the radio dial setting to point of noninterference.
4. Adjust **T101** for maximum amplitude and symmetrical curve. (Refer to Fig. 1)
5. Adjust **T201** for maximum amplitude and proper linearity between about ±**100 kHz** markers. (Refer to Fig. 2)

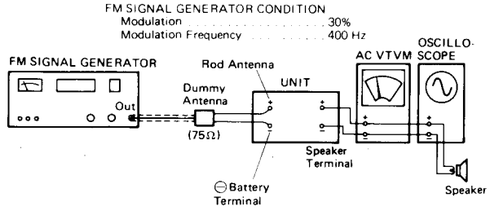
Note: Before aligning, turn the corest of **T201** fully counter-clockwise.



FM-RF ALIGNMENT

1. Test equipment connection is shown in figure.
2. Place unit into FM position.
3. Place the radio dial and signal generator setting to **87.4 MHz.**
4. Adjust **L101** and **L102** for maximum output
5. Place the radio dial and signal generator setting to **108.7 MHz.**
6. Adjust **CT101** and **CT102** for maximum output.
7. Repeat steps 3 ~ 6.

Note: As three output reading will be present, adjustments must be made at center frequency.

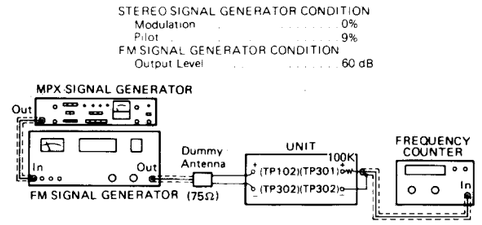


MEASUREMENTS AND ADJUSTMENT

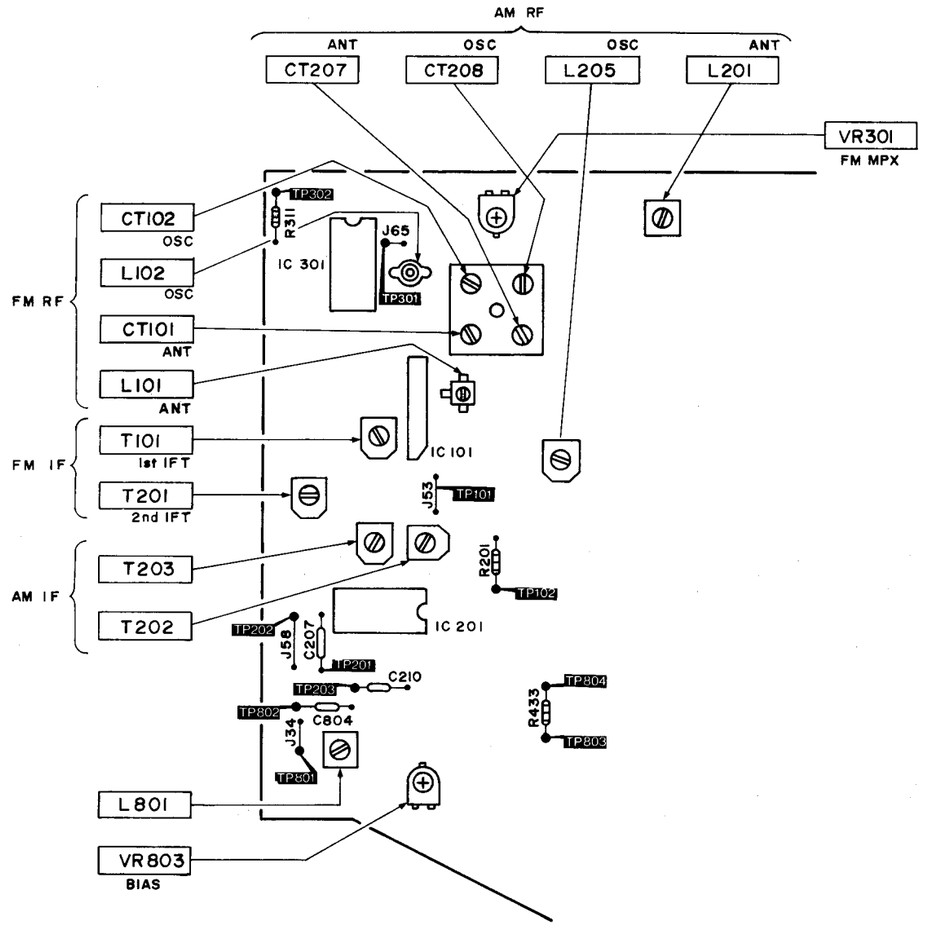
■ Radio

FM STEREO ALIGNMENT (FREE RUN)

1. Test equipment connection is shown in figure.
2. Place unit into FM AUTO position.
3. Place the radio dial and signal generator setting to **98 MHz.**
4. Adjust **VR301** for **19 kHz ±50 Hz** on frequency counter reading.
5. Tune a stereo broadcast and confirm the frequency stays at **19 kHz.**



ADJUSTMENT POINTS

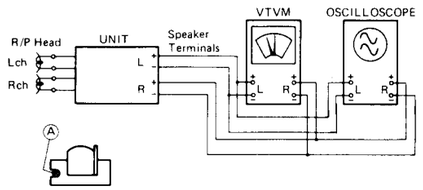


MEASUREMENTS AND ADJUSTMENT

■ Tape

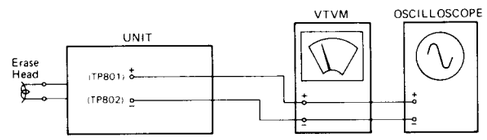
HEAD AZIMUTH ALIGNMENT

1. Test equipment connection is shown in figure.
2. Playback test tape QZZCAC. (10 kHz, –20 dB)
3. Adjust screw Ⓐ for maximum indication for equal output on both channels.
4. After alignment, lock the head adjust screw Ⓐ with lacquer.

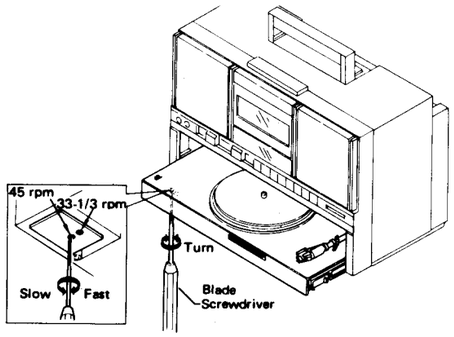


ERASE BIAS ALIGNMENT

1. Test equipment connection is shown in figure.
2. Place unit into TAPE position.
3. Place cassette deck into recording mode.
4. Adjust **VR803** for **10.5V ±0.5V** on VTVM.



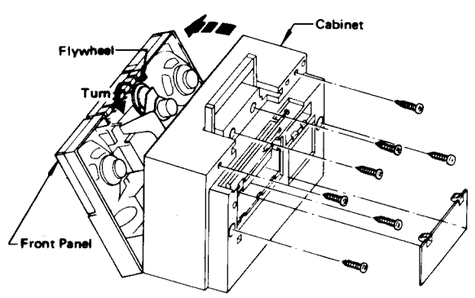
PHONO MOTOR SPEED ADJUSTMENT



TAPE DECK SERVICE AID

When the cassette tape is caught around the capstan shaft:

Remove 7 screws on the cabinet, and open the front panel, then turn the flywheel counterclockwise.



REPLACEMENT PARTS LIST

Notes:

1. Parts No. listed in this Parts List are Service Parts. Please use this part number for parts orders.
2. Important safety notice: Components identified by ⚠ marke have special characteristics important fo safety. When replacing any of these components, use only manufacturer's specified parts.
3. The "S" mark is service standard parts and may differ from production parts.

● RESISTOR PARTS

Numbering System of Resister

Type	Wattage	Tolerance	Value
Three Letters	One or Two Letters	Two or Three Letters	Three or Four Letters

Example: ERD 25 TJ 101

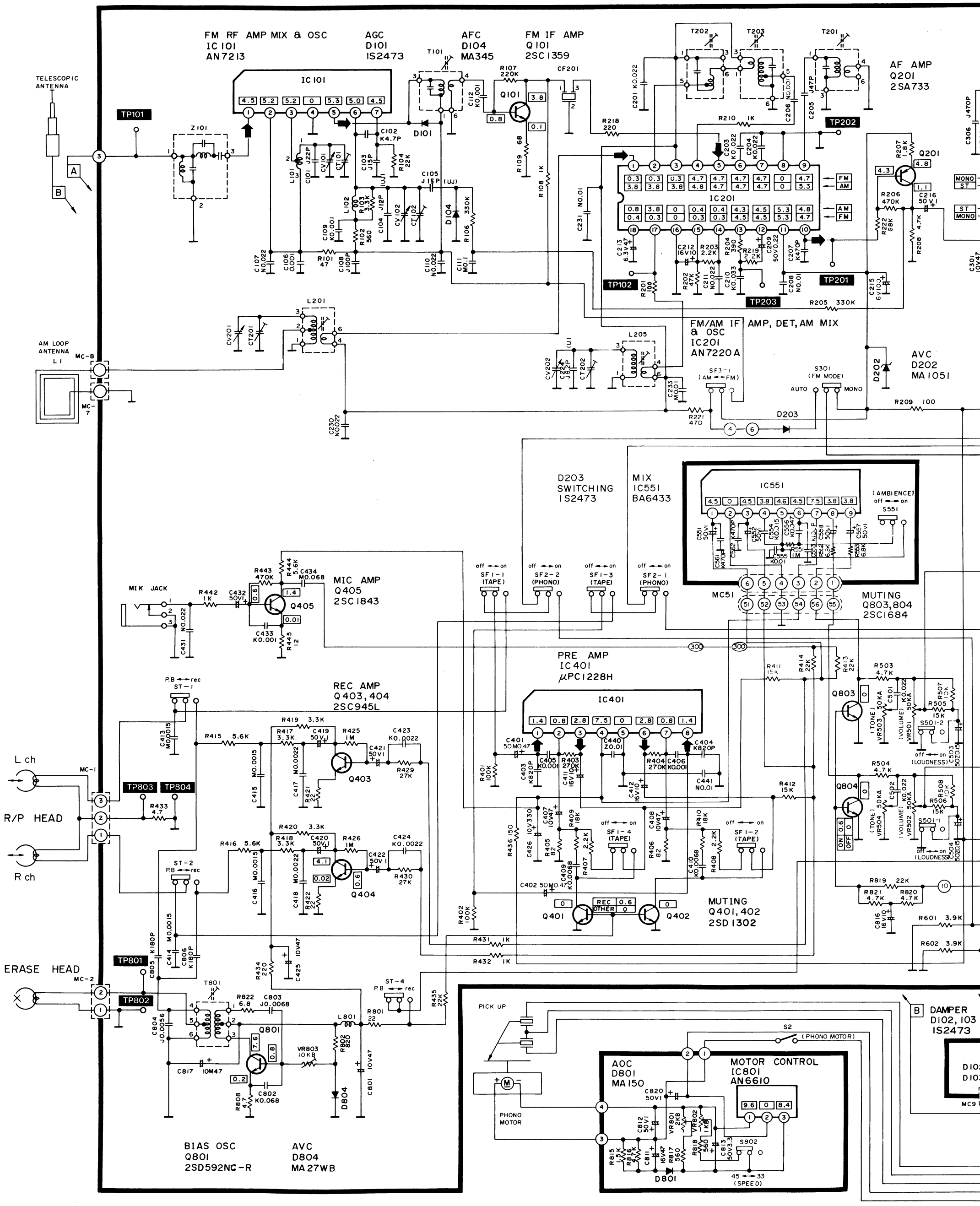
Resistor Type	Wattage	Tolerance
ERD: Carbon Film	1: 1W	F: ±1%
ERC: Solid	2: 2W	J: ±5%
ERX: Metal Film	12: 1/2W	K: ±10%
ERG: Metal Oxide Film	18: 1/8W	
ERO: High Stability Metal Film	25: 1/4W	
ERF: Flaneproof Wire-Wound Bath-Tube	50: 1/2W	
ERQ: Fuse Type Metal Film	2F: 1/4W	
RRD: Chip	S1: 1/2W	
	S2: 1/4W	

Ref. No.		Part No.	Value (Ω)
R101	S	ERD25FJ470	47
R102	S	ERD25FJ561	560
R103	S	ERD25FJ332	3.3K
R104	S	ERD25TJ223	22K
R106	S	ERD25TJ334	330K
R107	S	ERD25TJ224	220K
R108	S	ERD25FJ102	1K
R109	S	ERD25FJ680	68
R110	S	ERD25FJ103	10K
R201	S	ERD25FJ101	100
R202	S	ERD25TJ473	47K
R203	S	ERD25FJ222	2.2K
R204	S	ERD25FJ391	390
R205	S	ERD25TJ334	330K
R206	S	ERD25TJ474	470K
R207	S	ERD25FJ182	1.8K
R208	S	ERD25FJ472	4.7K
R209	S	ERD25FJ101	100
R210	S	ERD25FJ102	1K
R218	S	ERD25FJ221	220
R219	S	ERD25FJ222	2.2K
R221	S	ERD25FJ471	470
R222	S	ERD25TJ683	68K
R301	S	ERD25FJ220	22
R302	S	ERD25FJ821	820
R303	S	ERD25FJ471	470
R304	S	ERD25FJ222	2.2K
R305	S	ERD25TJ183	18K
R306	S	ERD25FJ821	820
R307	S	ERD25TJ683	68K
R308	S	ERD25TJ683	68K
R311	S	ERD25FJ682	6.8K
R312	S	ERD25FJ682	6.8K
R401	S	ERD25TJ104	100K
R402	S	ERD25TJ104	100K
R403	S	ERD25TJ274	270K
R404	S	ERD25TJ274	270K
R405	S	ERD25FJ820	82
R406	S	ERD25FJ820	82
R407	S	ERD25FJ222	2.2K

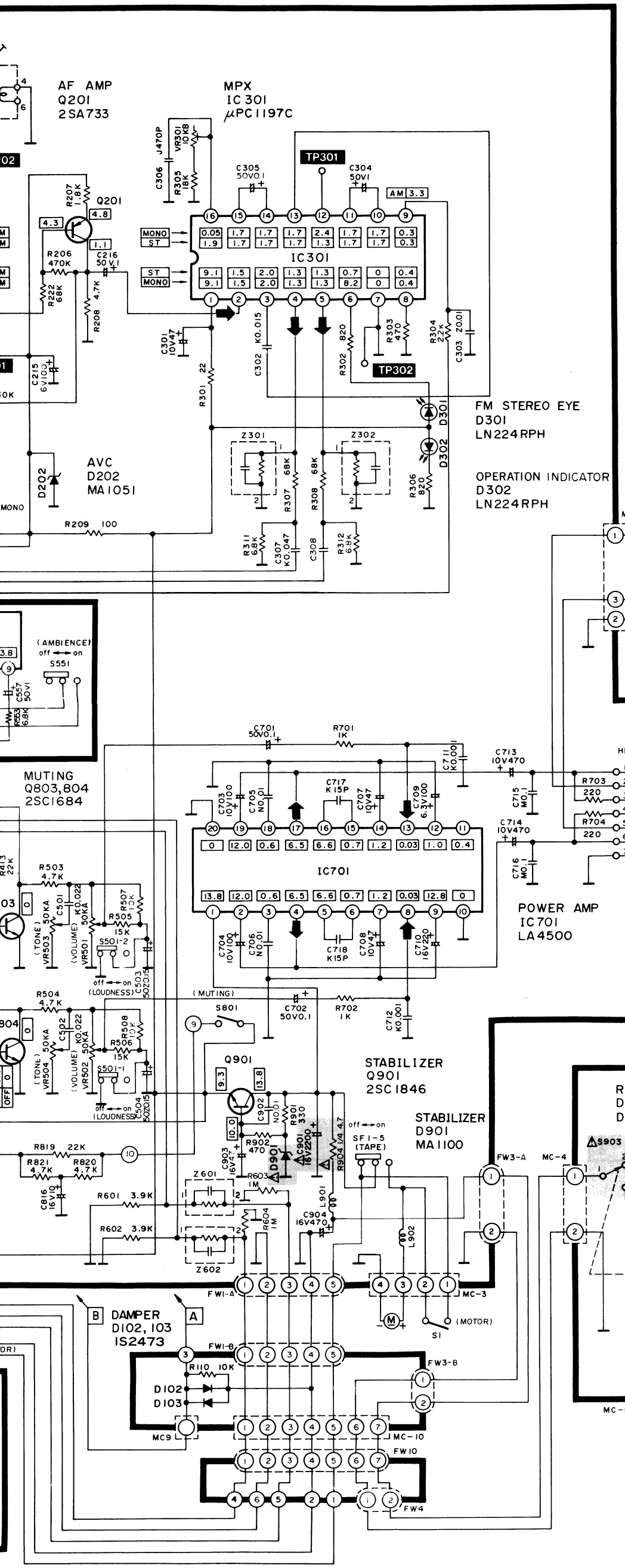
Ref. No.		Part No.	Value (Ω)
R408	S	ERD25FJ222	2.2K
R409	S	ERD25TJ183	18K
R410	S	ERD25TJ183	18K
R411	S	ERD25TJ153	15K
R412		ERD25TJ153	15K
R413		ERD25TJ223	22K
R414	S	ERD25TJ223	22K
R415	S	ERD25FJ562	5.6K
R416	S	ERD25FJ562	5.6K
R417	S	ERD25FJ332	3.3K
R418	S	ERD25FJ332	3.3K
R419	S	ERD25FJ332	3.3K
R420	S	ERD25FJ332	3.3K
R421	S	ERD25FJ220	22
R422	S	ERD25FJ220	22
R425	S	ERD25TJ105	1M
R426	S	ERD25TJ105	1M
R429	S	ERD25TJ273	27K
R430	S	ERD25TJ273	27K
R431	S	ERD25FJ102	1K
R432	S	ERD25FJ102	1K
R433	S	ERD25FJ4R7	4.7
R434	S	ERD25FJ221	220
R435	S	ERD25FJ222	2.2K
R436	S	ERD25FJ151	150
R442	S	ERD25FJ102	1K
R443	S	ERD25TJ474	470K
R444	S	ERD25FJ562	5.6K
R445	S	ERD25FJ120	12
R503	S	ERD25FJ472	4.7K
R504	S	ERD25FJ472	4.7K
R505	S	ERD25TJ153	15K
R506	S	ERD25TJ153	15K
R507	S	ERD25FJ103	10K
R508	S	ERD25FJ103	10K
R551		ERDS2TJ105	1M
R552		ERDS2TJ682	6.8K
R553		ERDS2TJ682	6.8K
R601		ERDS2TJ392	3.9K
R602		ERDS2TJ392	3.9K

Ref. No.		Part No.	Value (Ω)
R603		ERD25TJ105	1.5M
R604		ERD25TJ105	1.5M
R701	S	ERD25FJ102	1K
R702	S	ERD25FJ102	1K
R703	S	ERD25FJ221	220
R704	S	ERD25FJ221	220
R801	S	ERD25FJ220	22
R802	S	ERD25FJ821	820
R808	S	ERD25FJ4R7	4.7
R815	S	ERD25FJ152	1.5K
R816	S	ERD25FJ472	4.7K
R817	S	ERD25FJ561	560
R818	S	ERD25FJ561	560
R819	S	ERD25TJ223	22K
R820	S	ERD25FJ472	4.7K
R821	S	ERD25FJ472	4.7K
R822	S	ERD25FJ6R8	6.8
R901	S	ERD25FJ331	330
R902	S	ERD25FJ471	470
R904	S	ERD25FJ4R7	4.7

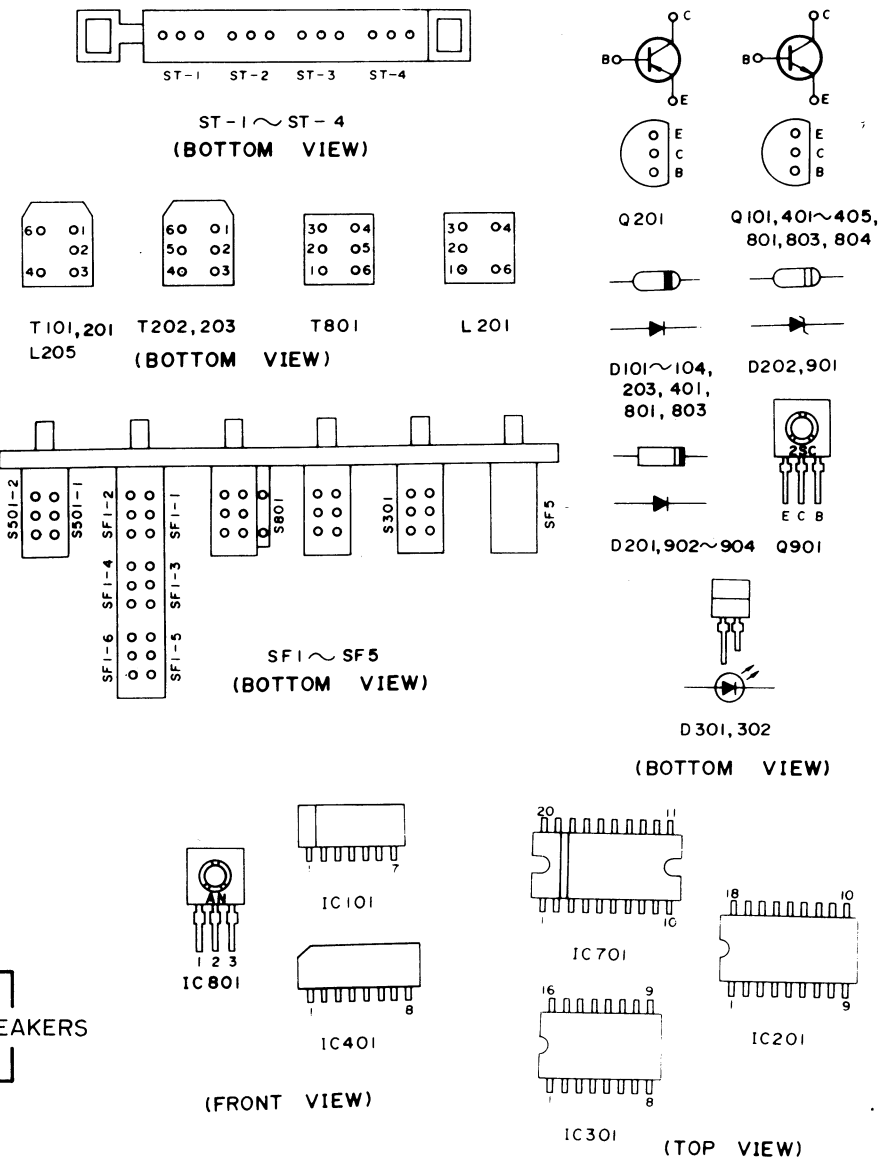
Ref. No.	Part No.	Value (Ω)


FM RF AMP MIX & OSC
IC101
AN7213
AGC
D101
IS2473
AFC
D104
MA345
FM IF AMP
Q101
2SC1359
TELESCOPIC ANTENNA
TP101
IC101
Z101
T101
CF201
R107 220K
Q101
R218 220
R210 1K
T202
T203
T201
AF AMP
Q201
2SA733
TP202
TP201
TP203
TP102
IC201
FM
AM
R205 330K
FM/AM IF & OSC
IC201
AN7220A
AMP, DET, AM MIX
AVC
D202
MA1051
D203
L201
L205
AM LOOP ANTENNA
L1
MC-8
MC-7
SF3-1 (AM ↔ FM)
S301 (FM MODE)
AUTO
MONO
R209 100
D203 SWITCHING
IS2473
MIX
IC551
BA6433
(AMBIENCE)
S551
MC51
MUTING
Q803,804
2SC1684
MIC AMP
Q405
2SC1843
MIK JACK
SF1-1 (TAPE)
SF2-2 (PHONO)
SF1-3 (TAPE)
SF2-1 (PHONO)
PRE AMP
IC401
μPC1228H
REC AMP
Q403,404
2SC945L
P.B ↔ rec
ST-1
ST-2
ST-4
L ch
R ch
R/P HEAD
MC-1
TP803
TP804
ERASE HEAD
MC-2
TP801
TP802
T801
Q801
L801
VR803 10KB
D804
BIAS OSC
Q801
2SD592NC-R
AVC
D804
MA27WB
MUTING
Q401,402
2SD1302
Q403
Q404
PICK UP
PHONO MOTOR
AOC
D801
MA150
MOTOR CONTROL
IC801
AN6610
S2
(PHONO MOTOR)
S802
45 ↔ 33
(SPEED)
B DAMPER
D102, 103
IS2473

IEMATIC DIAGRAM



TERMINAL GUIDE



NOTES

▭ indicate DC voltage values in V

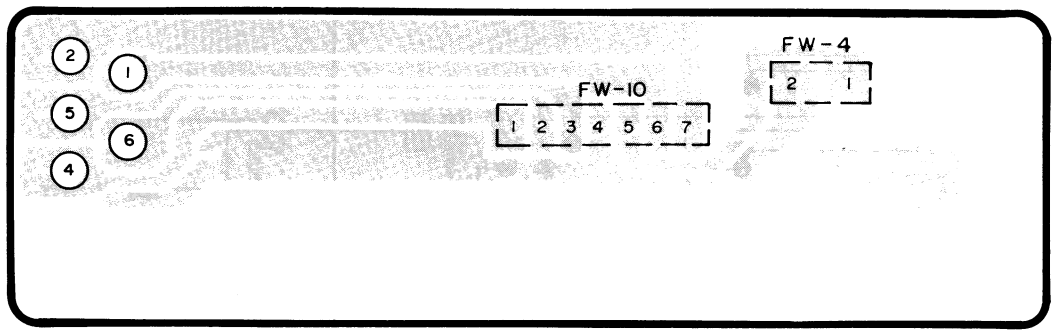
1. SF1～SF5 Function selector switch in "FM" position
   SF1 — tape, SF2 — phono, SF3 — FM,
   S301 — mono/stereo, SF5 — MW

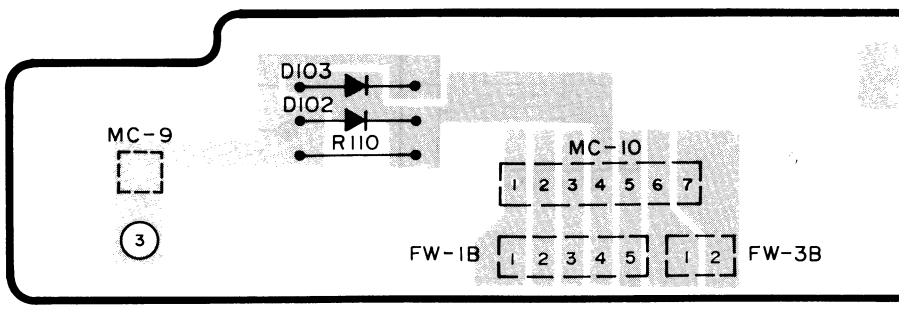
SF1-5	Power switch in "off" position
S901	Power voltage selector in "120V" position
S802	Phono speed selector switch in "45" position
S903	AC/DC selector switch in "AC" position
S1	Tape motor switch in "off" position
ST-1～ST-4	Rec play selector switch in "play" position
S801	Muting switch in "off" position
S2	Phono motor switch in "off" position
S501	Loudness switch in "off" position.
S551	Ambience switch in "off" position.

2 Tolerance
M=±20%, P$^{+100}_{=-0\%}$, K=±10%,
J=±5%

3. DC voltages are to be measured with DC VTVM under no signal condition in FM, AM position

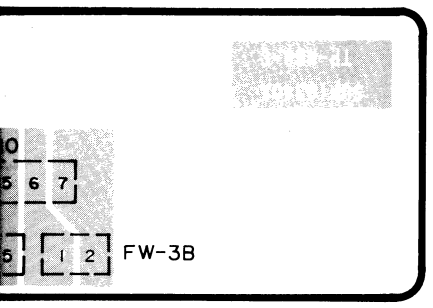
IMPORTANT SAFETY NOTICE
THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK HAZARDS.
WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

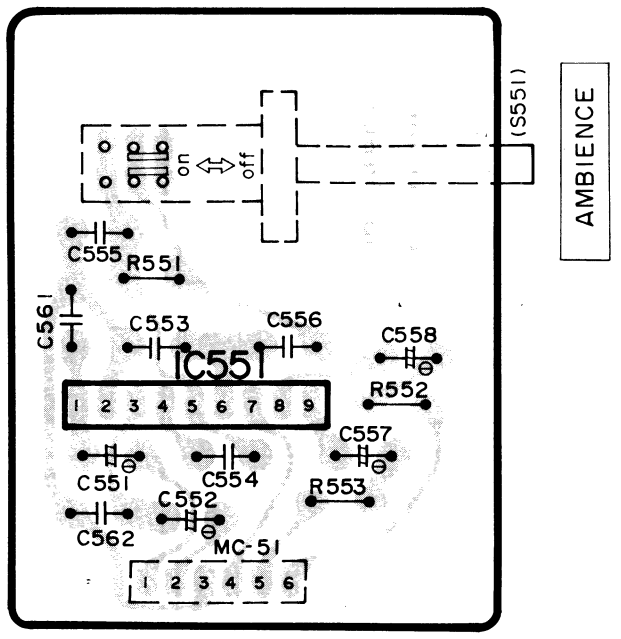

FW-4
FW-10
1 2 3 4 5 6 7
2 1
2
1
5
6
4

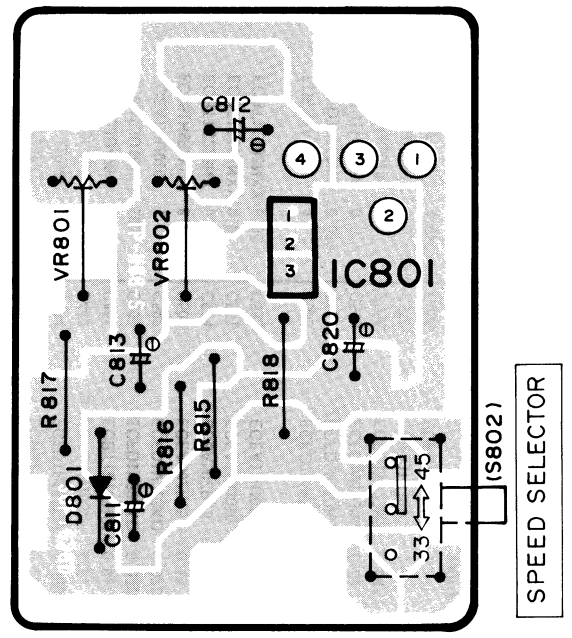

D103
D102
R110
MC-9
3
MC-10
1 2 3 4 5 6 7
FW-1B
1 2 3 4 5
1 2
FW-3B

MPX output
TP302
TP301
FM input
TP101
GROUND POINT
MPX input
TP102
FM sweep output
TP202
TP201
AM sweep output
TP203
Erase bias adj.
TP802
TP801
R311
R312
R307
R308
Z301 Z302
R301
C301
R302 R303
R304
C303
C308
C307
Q201
R207
R109
Q101
T201
C205
C207
R107
CF201
C204
C203
R218
C206
R204
R219
IC201
C209
C208
C215
R205
R222
R206
C216
R208
C804
MC-2
T801
Q801
C802
R808
C803
IC301
C108
R106
C111
R102
C102
T 101
D104
C112
R108
D101
T203
R210
T202
C201
R203
R202
C211
C210
C805
C806
R415
R421
R419
C213
C212
C231
D202
R305
C306
C305
C304
L102
C105
R103
C109
C103
R104
IC101
C104
C106
Z101
R101
C110
C233
C302
(FM OSC)
CV102
CT102
(FM ANT)
CV101
CT101
L101
C107
C101
VR301
CV202
CT202
(AM OSC)
CV201
CT201
(AM ANT)
L205
C224
R209
R201
C904
FW-3A
L901
Q403
C415
C417
C419
R425
C423
R417
C418
C416
MC-7
MC-8
C230
L201
R904
R433
MC-1
R416
R418
R422
Q401
L902
Q402
C413
MC-3
R435
R401
C414
ST-1
ST-2
ST-3
R403
C405
C409
R409
C403
C401
R405
R407
C407
IC401
C411
R221
FW-1A
R604
R603
R410
C410
C408
R406
R402
R411
R412
R414
R413
R306
D203
D301
D302
mono
auto
FM
AM
(MUTING)
off
on
SF3-1
SF3-2
S801
SF2-1
SF2-2
SF1-1
SF1-2
SF1-3
SF1-4
SF1-5
SF1-6
S501-1
S501-2
Z601
Z602
R602
R601
C504
R508
C503
SUP 29 920 A
TP N88-S
(S301)
(SF3)
(SF2)
(SF1)
(S501)
(operation)
TP804
TP803
Rec bias adj.
FM MODE
FM/AM
PHONO
TAPE
LOUDNESS
(FM stereo)

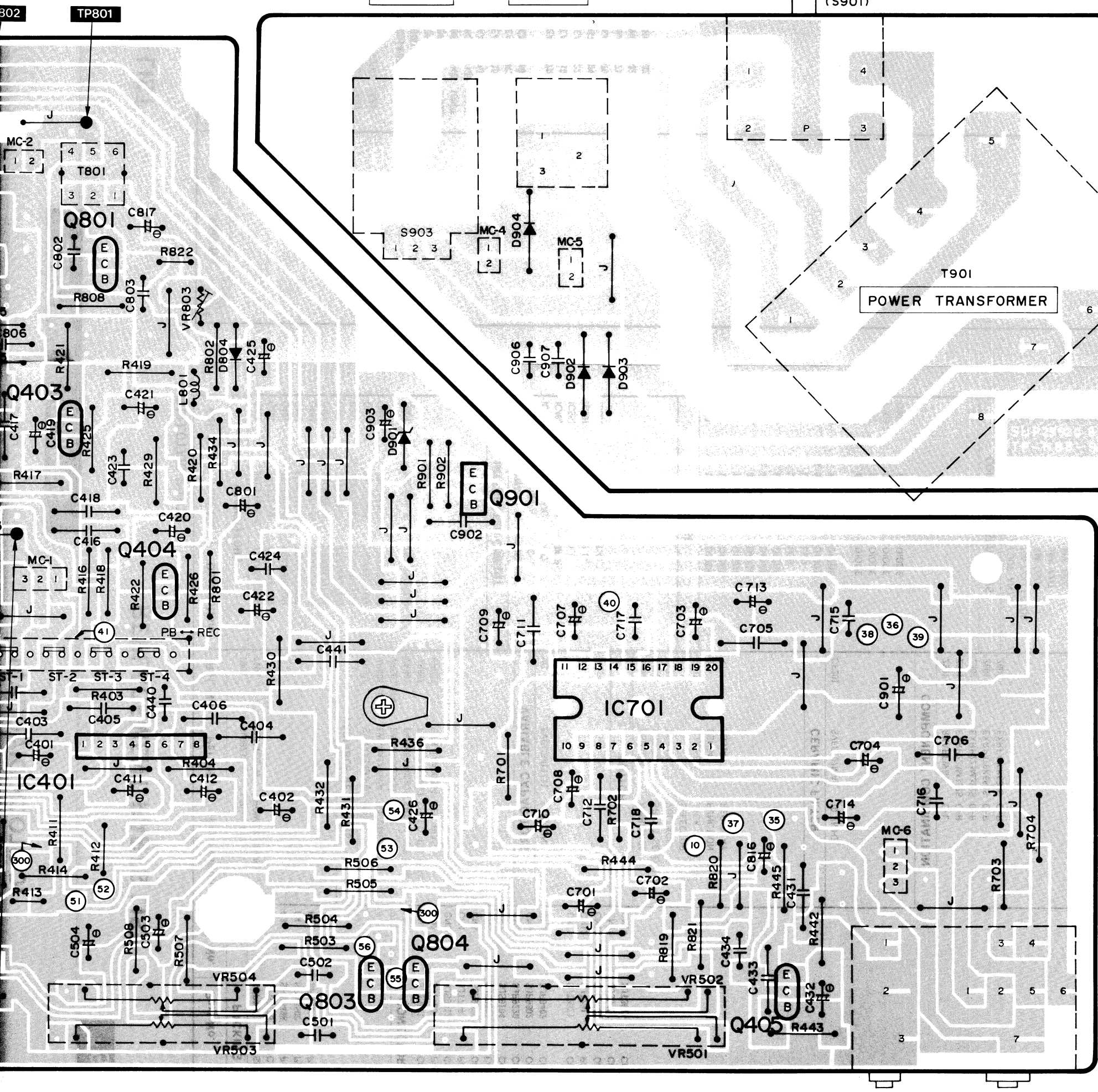
UIT BOARD DIAGRAM







rase bias adj.



03

j.

REPLACEMENT PARTS LIST

● CAPACITOR PARTS

Numbering System of Capacitor

Type	Voltage	Value	Tolerance
Four Letters	One or Two Letters	Two or Five Letters	One or Two Letters

Example: ECKD 1H 333 MD

Capacitor Type		Voltage		Tolerance	
ECCD:	Temperature Compensating Ceramic	KC:	400V	C:	±0.25pF
ECKD:	High dielectric Constant Ceramic	OJ:	6.3V	D:	±0.5pF
ECQM:	Polyester	1A:	10V	F:	±1pF
ECQP:	Polypropylene Film	1C:	16V	J:	±5%
ECQS:	Polystylene Film	1E:	25V	K:	±10%
ECFD:	Semiconductor Ceramic	1V:	35V	M:	±20%
ECEA:	Electrolytic	1H:	50V	P:	+100,−0%
ECEB:	Electrolytic	1J:	63V	Z:	+80,−20%
ECET:	Electrolytic	2A:	100V		
ECSF:	Tantalum	25:	25V		
ECUX:	Chip	50:	50V		
ECBS:	Ceramic				
ECBT:	Ceramic				

Ref. No.		Part No.	Value (μF)
C101		ECBS1H220J	22PF
C102		ECBS1H4R7K	4.7
C103		ECBS1H150J	15PF
C104		ECBS1H120JU	12
C105		ECBS1H150J	15PF
C106		ECBS1H102KB	0.001
C107		ECBT1C223NY	0.022
C108		ECBS1H101J	100PF
C109		ECBS1H102KB	0.001
C110		ECBT1C223NY	0.022
C111		ECFD1E104MD	0.1
C112		ECBS1H102KB	0.001
C201		ECFD1V223KD	0.022
C203		ECFD1V223KD	0.022
C204		ECFD1V223KD	0.022
C205		ECBS1H470J	47PF
C206		ECBS1H102KB	0.001
C207		ECBS1H471KB	470PF
C208		ECBT1E103NXY	0.01
C209		ECEA1HUR22	0.22
C210		ECFD1V333KD	0.033
C211		ECBT1C223NY	0.022
C212		ECEA1CU100	10
C213		ECEA0JU470	47
C215		ECEA0JU101	100
C216		ECEA1HU010	1
C224		ECBS1H8R2KUY	8.2
C230		ECBT1C223NY	0.022
C231		ECBT1E103NXY	0.01
C233		ECBT1E103NXY	0.01
C301		ECEA1AU470	47
C302		ECFD1V153KD	0.015
C303	S	ECKD1H103ZF	0.01
C304		ECEA1HU010	1
C305		ECEA1HU0R1	0.1
C306		ECQP1471JZ	470PF
C307		ECFD1V473KD	0.047
C308		ECFD1V473KD	0.047
C401	S	ECEA50MR47R	0.47
C402	S	ECEA50MR47R	0.47
C403		ECBS1H821KB	820PF
C404		ECBS1H821KB	820PF
C405		ECBS1H102KB	0.001
C406		ECBS1H102KB	0.001
C407		ECEA1AU470	47
C408		ECEA1AU470	47

Ref. No.		Part No.	Value (μF)
C409		ECKD1H682KB	0.0068
C410		ECKD1H682KB	0.0068
C411		ECEA1CU100	10
C412		ECEA1CU100	10
C413		ECBS1E152MX	0.0015
C414		ECBS1E152MX	0.0015
C415		ECBS1E152MX	0.0015
C416		ECBS1E152MX	0.0015
C417		ECBS1E222MX	0.0022
C418		ECBS1E222MX	0.0022
C419		ECEA1HU010	1
C420		ECEA1HU010	1
C421		ECEA1HU010	1
C422		ECEA1HU010	1
C423		ECKD1H222KB	0.0022
C424		ECKD1H222KB	0.0022
C425		ECEA1AU470	47
C426		ECEA1AU331	330
C431		ECBT1C223NY	0.022
C432		ECEA1HU010	1
C433		ECBS1H102KB	0.001
C434		ECFD1E683MD	0.068
C440	S	ECKD1H103ZF	0.01
C441		ECBT1E103NXY	0.01
C501		ECFD1V223KD	0.022
C502		ECFD1V223KD	0.022
C503		ECEA50ZR15	0.15
C504		ECEA50ZR15	0.15
C551		ECEA1HU010	1
C552		ECEA1HU010	1
C553		ECKD1H101KB	100PF
C554		ECFD1V153KD	0.015
C555		ECFD1V103KD	0.01
C556		ECFD1V473KD	0.047
C557		ECEA1HU010	1
C558		ECEA1HU010	1
C561		ECKD1H471KB	470PF
C562		ECKD1H471KB	470PF
C701		ECEA1HU0R1	0.1
C702		ECEA1HU0R1	0.1
C703		ECEA1AU100	100
C704		ECEA1AU100	100
C705		ECBT1E103NXY	0.01
C706		ECBT1E103NXY	0.01
C707		ECEA1AU470	47
C708		ECEA1AU470	47
C709		ECEA0JU101	100
C710	S	ECEA1CS221	220
C711		ECBS1H102KB	0.001
C712		ECBS1H102KB	0.001
C713		ECEA1AU471	470
C714		ECEA1AU471	470
C715		ECFD1E104MD	0.1
C716		ECFD1E104MD	0.1
C717		ECCD1H150KC	15PF
C718		ECCD1H150KC	15PF
C801		ECEA1AU470	47
C802		ECQM1H683JZ	0.068
C803		ECQP1682JZ	0.0068
C804		ECQP1562JZ	0.0056
C805		ECBS1H181KB	180PF
C806		ECBS1H181KB	180PF
C811		ECEA1CU470	47
C812		ECEA1HU010	1
C813		ECEA1HU3R3	3.3
C816		ECEA1CU100	10
C817		ECEA10M47R	47
C820		ECEA1HU010	1
C901	S	ECEA1CS222	2200
C902		ECBT1E103NXY	0.01
C903		ECEA1CU470	47
C904	S	ECEA1CS471	470
C906	S	ECKD1H103ZF	0.01
C907	S	ECKD1H103ZF	0.01

REPLACEMENT PARTS LIST

●ELECTRIC PARTS

TRANSISTORS

Ref. No.		Part No.	Description
Q101		2SC1359A-C	TRANSISTOR
Q201		2SA733-P1	TRANSISTOR
Q401		2SD1302-R	TRANSISTOR
Q402		2SD1302-R	TRANSISTOR
Q403	S	2SC945L-P	TRANSISTOR
Q404	S	2SC945L-P	TRANSISTOR
Q405		2SC1843-F	TRANSISTOR
Q801	S	2SD592NC-R	TRANSISTOR
Q803		2SC1684RS	TRANSISTOR
Q804		2SC1684RS	TRANSISTOR
Q901		2SC1846-T	TRANSISTOR

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC101	AN7213	I.C
IC201	AN7220-A	IC
IC301	UPC1197C	I.C.
IC401	UPC1228H	M.P.X
IC551	BA6433	I.C
IC701	LA4500	I.C.
IC801	AN6610	I.C

DIODES

Ref. No.		Part No.	Description
D101		1S2473	DIODE
D102		1S2473	DIODE
D103		1S2473	DIODE
D104		MA345	DIODE
D202	S	MA1051	DIODE
D203		1S2473	DIODE
D301		LN224RPH	LED
D302		LN224RPH	LED
D801	S	MA162A	DIODE
D804		MA27W	DIODE
D901		MA1100	DIODE
D902		DS135TD	DIODE
D903		DS135TD	DIODE
D904		DS135TD	DIODE

COIL & TRANSFORMERS

Ref. No.		Part No.	Description
L1		SSA12	LOOP ANT
L101		SLD4N22-M	FM COLLECTOR
L102		SL04P26-Z	FM OSC
L201		SLA2B12-Z	MW ANT
L205		SL02M10-M	MW OSC
L801		SLQU222-2Y	CHOCK
L901		SLQU270-4Y	CHOCK
L902		SLQU270-4Y	CHOCK
T101	S	RLI4M101	FM IFT
T102	S	RLI4M101	FM IFT
T202		SLI9M102-M	FM IFT
T203		SLI9M202-M	FM IFT
T801		SL09Z38-K	BIAS OSC
T901		SLT5K52-W	POWER TRANS

VARIABLE RESISTORS

Ref. No.	Part No.	Description
VR301	SVNAA14B2-Q	MPX
VR501,502	EWANA1X05A54	VOLUME
VR503,504	EWAMA0X05A54	TONE
VR801	EVNK6AA00B23	SPEED 33R.P.M
VR802	EVNK6AA00B13	SPEED 45R.P.M
VR803	EVNJ1AA00B14	REC BIAS

VARIABLE CAPACITORS

Ref. No.	Part No.	Description
VC	SVCCB41T111	VARICON

SWITCH

Ref. No.	Part No.	Description
S551	SSH1194	AMBIENCE
S802	SSS138	SPEED SELECTOR
S901	SSR224	VOLTAGE SELECTOR
S903	RJJ1F1ZA-H	JACK,AC/DC IN
SF	SSH642	FUNCTION
ST	SSS144	REC/PLAY

CERAMIC FILTER

Ref. No.	Part No.	Description
CF201	SVFE107MA5	10.7MHZ

COMPONENT COMBINATION

Ref. No.	Part No.	Description
Z101	RXAPFWB0	C-L
Z301	EXRP223M332S	C-R
Z302	EXRP223M332S	C-R
Z601	EXRP470K684S	C-R
Z602	EXRP470K684S	C-R

ACCESSORIES

Ref. No.		Part No.	Description
A1	⚠	RJA22YA-K	CORD,POWER
A2		SJY5018-1	EP ADAPTOR
A4		SQF12317	INST BOOK ASS'Y

PACKING

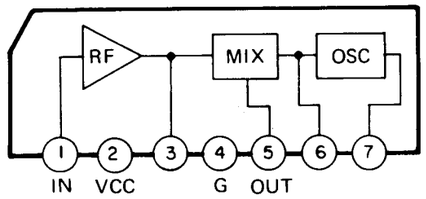
Ref. No.	Part No.	Description
P1	SPP234	SET BAG
P2	SPG5196	CARTON BOX
P3	SPN5498	PAD,SIDE (LEFT)
P4	SPN5500	PAD,SIDE (RIGHT)
P5	SPN5522	PAD,FRONT

CONECTOR

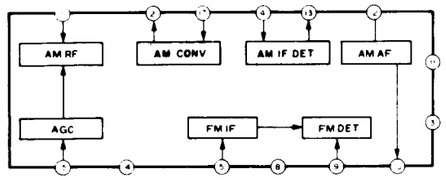
Ref. No.	Part No.	Description
CN1	SJS5331	CONNECTOR,3P
CN2	SJT783	PIN
CN3	SJS9412	CONNECTOR,4P
CN4	SJT744	PIN
CN5	SJS9308	CONNECTOR,3P
CN6	SJS9222	CONNECTOR,2P
CN7	SJS9104	CONNECTOR,1P
CN8	SJP9220	CONNECTOR,2P
CN9	SJP9302	CONNECTOR,3P
CN10	SJP9402	CONNECTOR,4P
CN11	SJT3321	CONNECTOR
CN12	SJT231	PIN
CN13	SJS5629	CONNECTOR
CN14	SJS5707	CONNECTOR,7P
CN14	SJT3611	CONNECTOR,6P

IC BLOCK DIAGRAM

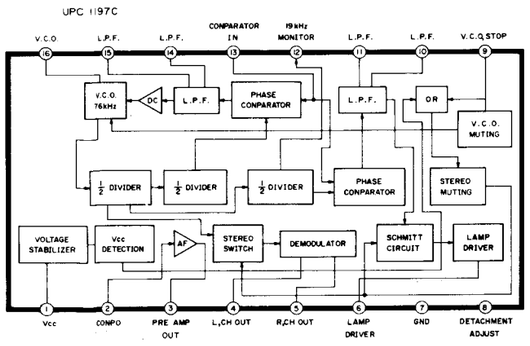
IC 101 AN7213



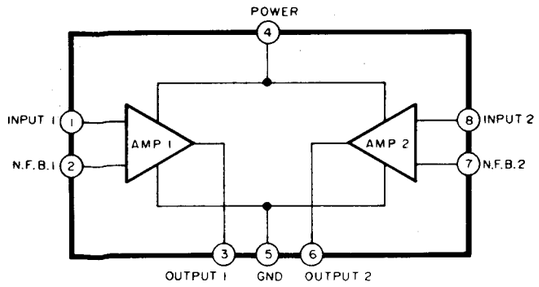
IC 201 AN7220B



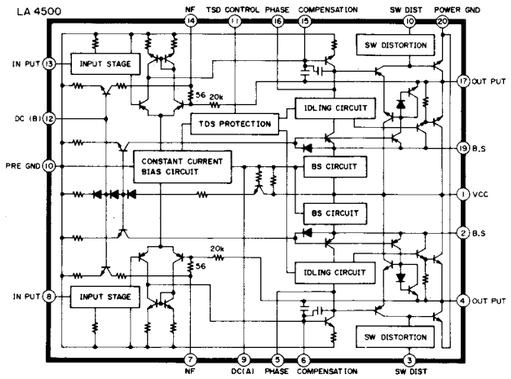
IC301 UPC1197C



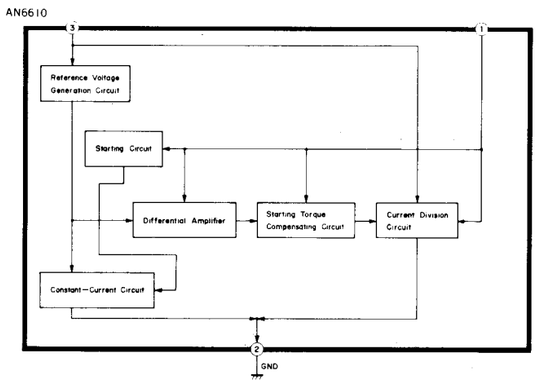
IC401 UPC1228C



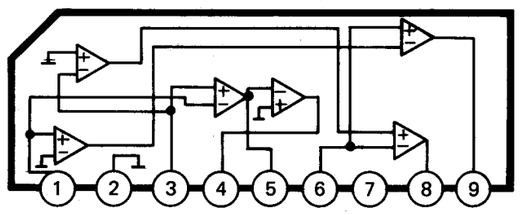
IC 701 LA4500



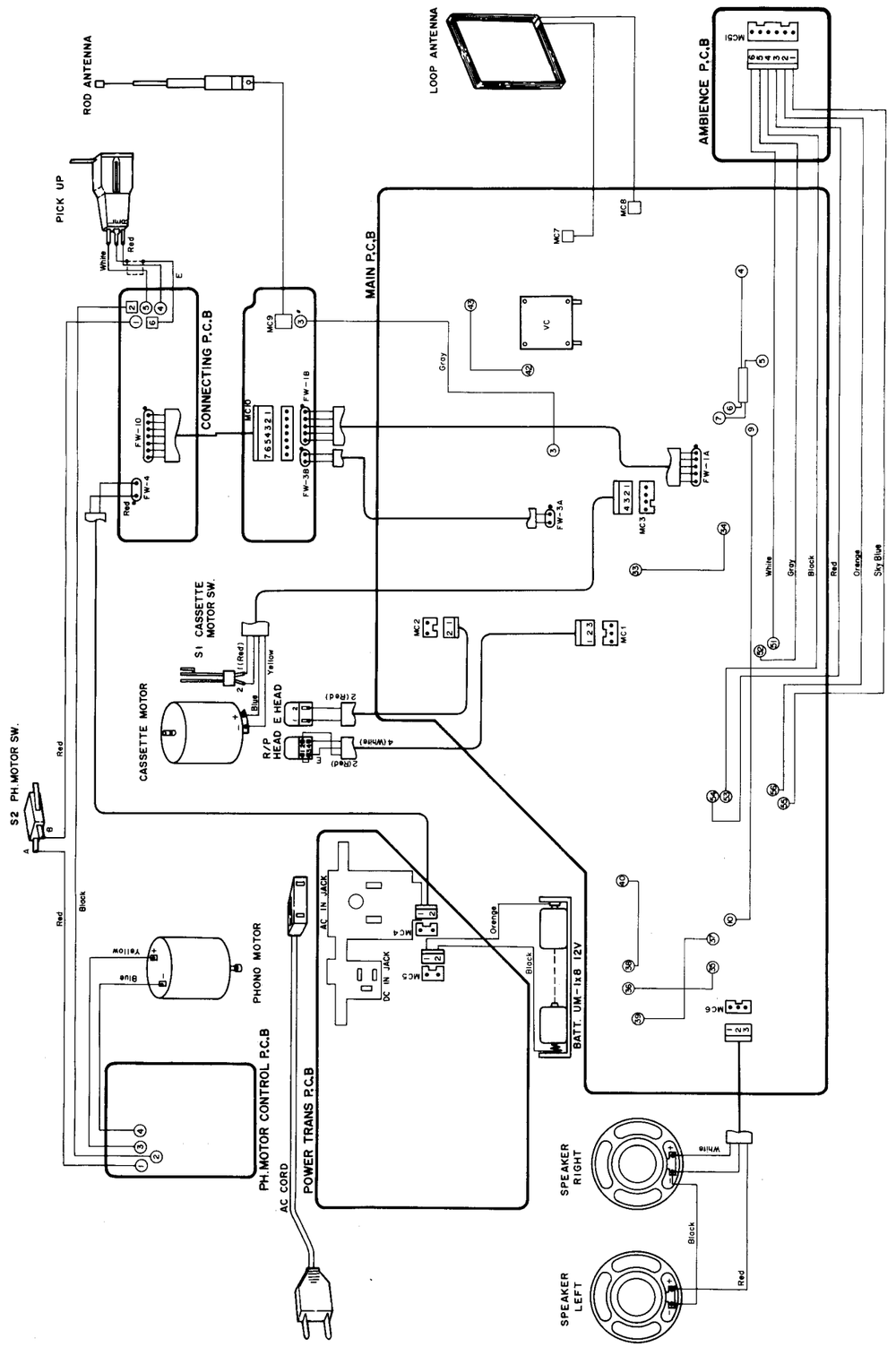
IC 801 AN6610



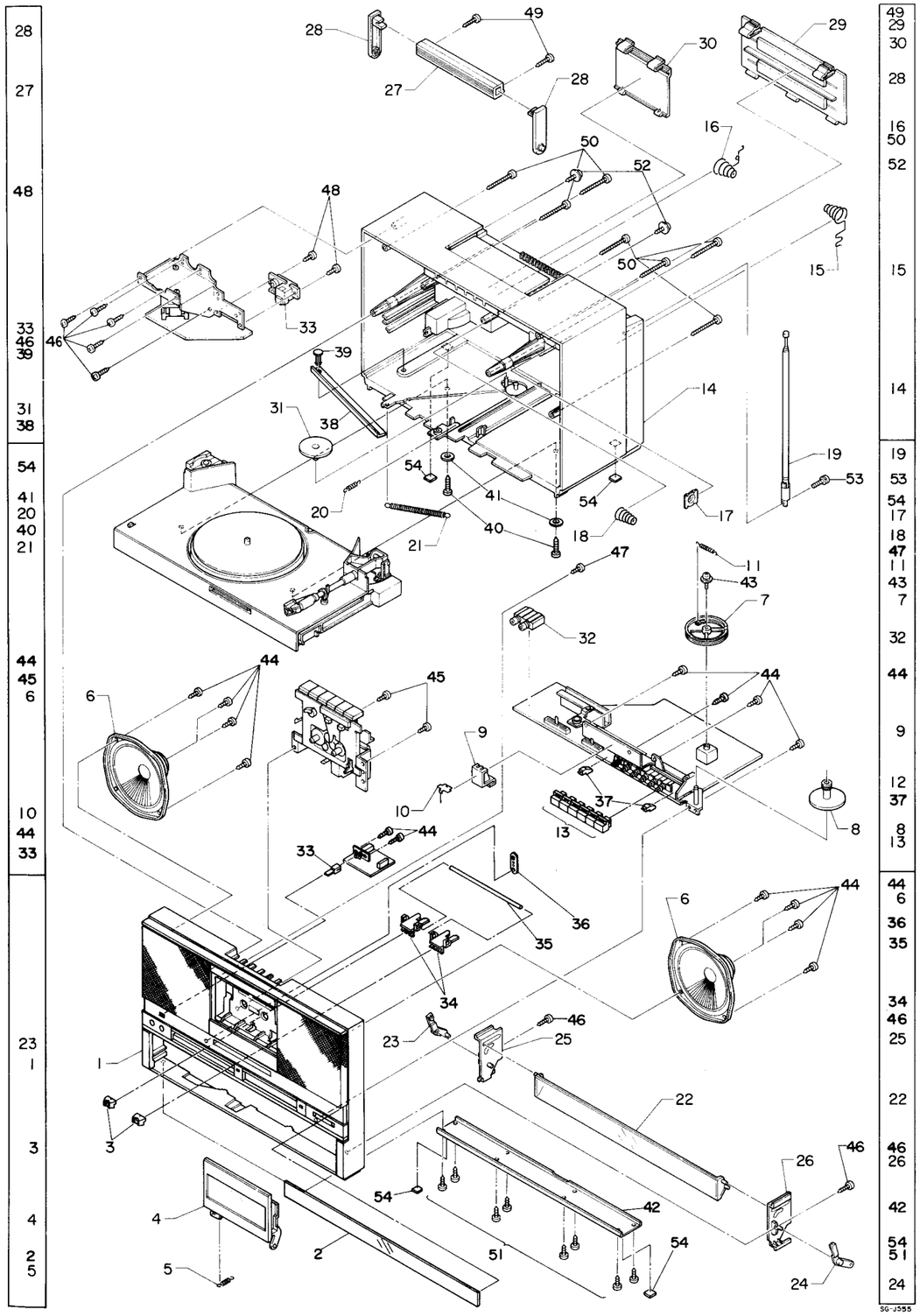
IC 551 BA6433



WIRING CONNECTION



PARTS LOCATION OF CABINET AND CHASSIS

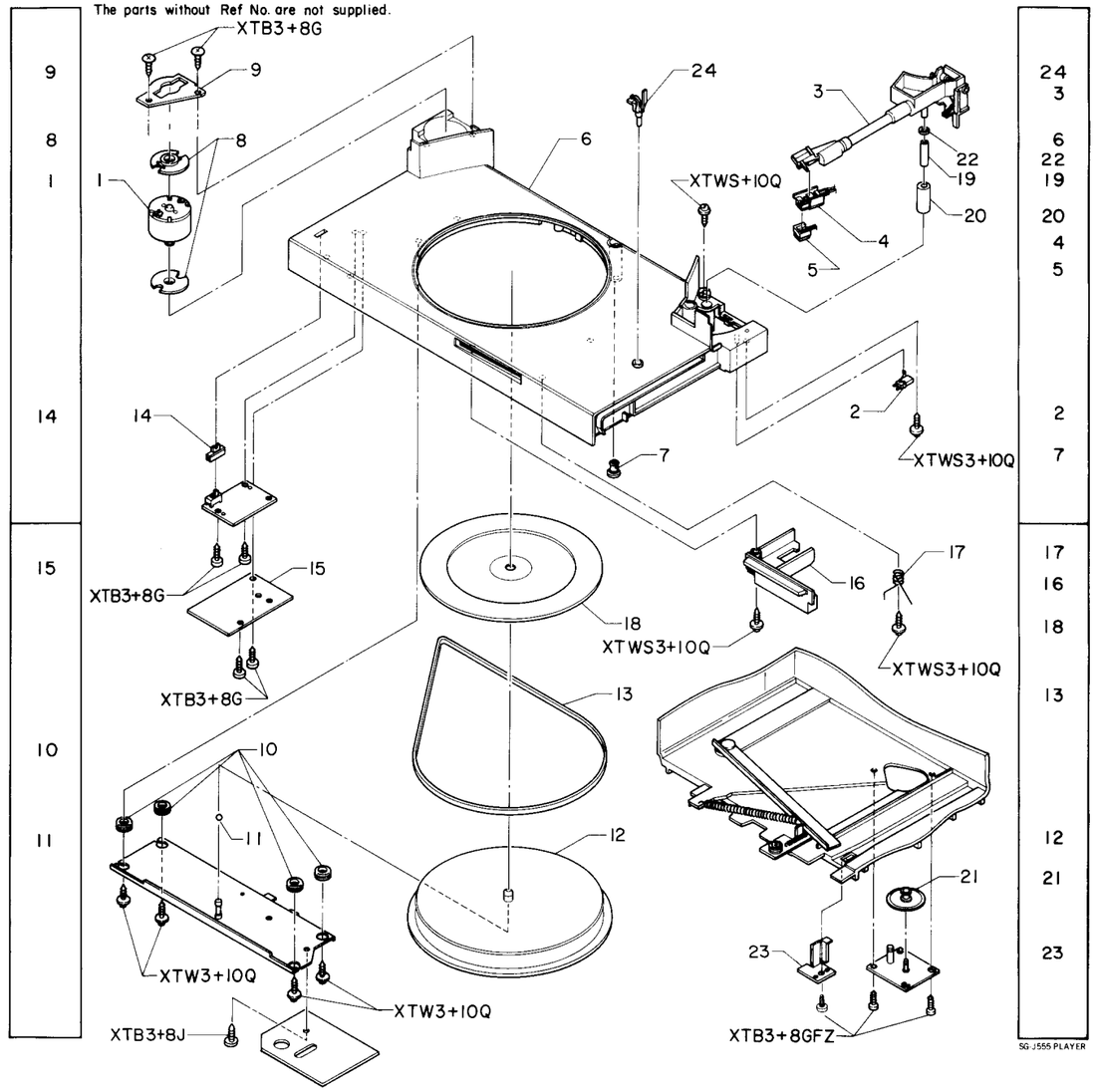


REPLACEMENT PARTS LIST

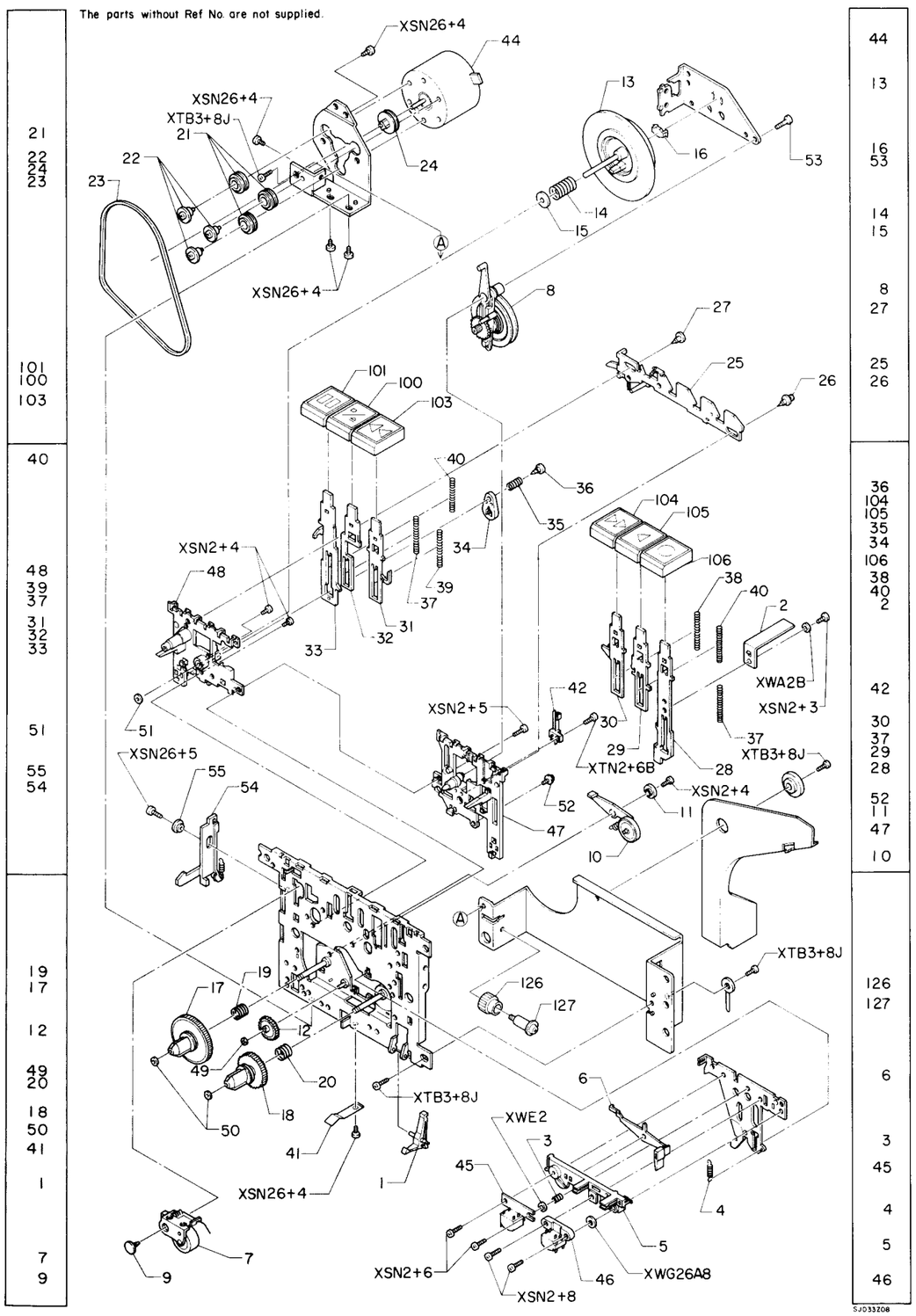
● CABINET AND CHASSIS PARTS

Ref. No.		Part No.	Description
1		SGYGJ555-KM	PANEL ASS'Y
2		SKD6240	SCALE PLATE
3		SBD65	KNOB
4		SGEGJ555-KM	CASSETTE HOLDER ASS'Y
5		SUS464	TORSION SPRING
6		EAS12P233SK	SPEAKER
7		SDD57-1	DRUM, DIAL
8		SBN1136	KNOB
9		SDA108	BRACKET,POINTER
10		SDP5122	DIAL POINTER
11	S	RDS4170A	COIL SPRING
13		SBCGJ555-KM	BUTTON ASS'Y
14		SKMGJ555-KM	CABINET ASS'Y
15		RJC950ZA	BATTERY SPRING
16		RJC931ZC	BATTERY SPRING
17		SJC118-2	TERMINAL,BATTERY
18		SJC514	BATTERY SPRING
19		XEARR225EA-K	TELESCOPIC ANT
20		SUS472	COIL SPRING
21		SUS466	TORSION SPRING
22		SKE432-3	DOOR
23		SBE292	DOOR ARM LEFT
24		SBE294	DOOR ARM RIGHT
25		SKE436	DOOR GUIDE LEFT
26		SKE438	DOOR GUIDE RIGHT
27		SKH122	HANDLE
28		SKH124	BRACKET,HANDLE
29		SKKGJ555-KM	BATTERY LID ASS'Y
30		SKKGJ555-KM1	ACCESSORY BOX LID ASS'Y
31		SJYG500MEX	GEAR ASS'Y
32		SJJ121-1	JACK,MIC/HEADPHONO
33		SBC571-10T	BUTTON
34		SHR9769	SLIDER
35		SUG191	SLIDER CLAMP
36		SUW2796	CONNECTING PLATE
37		SUE156	LED HOLDER
38		SUW2780-1	LEVER,EJECT
39		SUD436	SPACER
40		SNE292-2	SCREW
41		SNW622-7	WASHER
42		SUW2800	BRACKET,CABINET
43	S	XSN26+8	SCREW 26X8
44		XTB3+8G	TAPPING SCREW 3X8
45		XTB3+8GFR	TAPPING SCREW 3X8
46	S	XTB3+10BFN	TAPPING SCREW 3X10
47	S	XTN3+10B	TAPPING SCREW 3X10
48	S	XTB3+8BFN	TAPPING SCREW 3X8
49	S	XTB3+12BFN	TAPPING SCREW 3X12
50	S	XTB3+40BFN	TAPPING SCREW 3X40
51	S	XTN3+8B	TAPPING SCREW 3X8
52	S	XTN3+10BFZ	TAPPING SCREW 3X10
53		XYN3+C12FCS	SCREW 3X12
54		SHS3066	FELT

PARTS LOCATION OF RECORD PLAYER



PARTS LOCATION OF CASSETTE TAPE DECK



REPLACEMENT PARTS LIST

● **RECORD PLAYER PARTS**

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	MMNGJ500	MOTOR ASS'Y	13	SJY90080-1	FLAT BELT
2	SSP74	MICRO SWITCH	14	SBN1132	SLIDE KNOB
3	EPA644STB	TONE ARM	15	SUV288	P.W.B. COVER
4	EPC13STH	CARTRIDGE WITH STYLUS	16	SJY5216	BUTTON
5	EPS41ST	STYLUS	17	SUS470	BUTTON SPRING
6	SJYGJ555-KM	PLAYER BOARD ASS'Y	18	SJY4072-1	TURNTABLE MAT
7	SUD436	SPACER	19	SJY90444	TONE ARM SHAFT BRACKET
8	SHG9260	MOTOR RUBBER	20	SJY90446	SHAFT BRACKET RUBBER
9	SJY90422-1	PLATE,MOTOR	21	SJY90440	PULLEY GEAR
10	SHG9238	RUBBER CUSHION	22	SNW412-2	POLY WASHER
11	SJY90418	BALL	23	SUW2804-1	STOPPER
12	SJYGJ500	TURNTABLE ASS'Y	24	SJY342-1	PICK REST ASS'Y

REPLACEMENT PARTS LIST

● CASSETTE TAPE DECK PARTS

Ref. No.	Part No.	Description
1	SMQ4778	REC SAFETY LEVER
2	SMQ4284	LEAF SPRING
3	SMQ4596	COIL SPRING
4	SMQ5436	COIL SPRING
5	SMQ5004	HEAD BASE
6	SMQ5006	SENSING PIECE ASS'Y
7	SMQ5008	PINCH ROLLER ASS'Y
8	SMQ5010	RF CLUTCH ASS'Y
9	SMQ4774	STOPPER
10	SMQ5012	ROLLER SHAFT BRACKET W/SPRING
11	SMQ5014	COLLAR
12	SMQ4810	FF GEAR
13	SMQ5016	FLYWHEEL ASS'Y
14	SMQ5018	COIL SPRING
15	SMQ5020	WASHER
16	SMQ2538	PAD, FLYWHEEL
17	SMQ5022	TAKE UP REEL ASS'Y
18	SMQ5024	REEL ASS'Y, SUPPLY
19	SMQ5026	COIL SPRING
20	SMQ5028	COIL SPRING
21	SMQ1834	RUBBER CUSHION, MOTOR
22	SMQ1908	MOTOR SCREW
23	SMQ5438	ANGULAR BELT
24	SMQ4726	PULLEY, MOTOR
25	SMQ5440	OPERATION PLATE
26	SMQ4276	OPERATION PLATE SHAFT, REC
27	SMQ5034	OPERATION PLATE SHAFT, STOP
28	SMQ5036	LEVER, REC
29	SMQ5038	LEVER, PLAY
30	SMQ5040	LEVER, REW
31	SMQ5042	LEVER, FF
32	SMQ5044	LEVER, STOP
33	SMQ5046	LEVER, PAUSE
34	SMQ2444	CLICK LEVER, PAUSE
35	SMQ5048	COIL SPRING
36	SMQ4862	STOPPER, PAUSE CLICK LEVER
37	SMQ5050	COIL SPRING
38	SMQ5052	COIL SPRING
39	SMQ5054	COIL SPRING
40	SMQ5056	COIL SPRING
41	SMQ4278	LEAF SPRING
42	SMQ5460	MOTOR SWITCH
44	MMI5A2L	MOTOR
45	SJH92	R/P HEAD
46	SJH94	ERASE HEAD
47	SMQ5064	BUTTON BASE, R
48	SMQ5434	BUTTON BASE, L
49	SMQ4930	POLY WASHER
50	SMQ4928	POLY WASHER
51	SMQ1402	NYLON WASHER
52	SMQ5068	SCREW
53	SMQ5070	SCREW
54	SMQ5462	EJECT SLIDE LEVER W/SPRING
55	SMQ5170	COLLAR,ELECT LEVER
100	SBC592	BUTTON,STOP/EJECT
101	SBC594	BUTTON,PAUSE
103	SBC590	BUTTON,FF
104	SBC588	BUTTON,REWIND
105	SBC586	BUTTON,PLAY
106	SBC584	BUTTON,RECORDING
126	SMQ4096	DAMPER GEAR
127	SNE270	SCREW

Ref. No.	Part No.	Description

ORDER NO. HAD8506147A7

Service Manual

AM/FM Stereo Radio with Cassette Tape Deck and Record Player

Portable Stereo

SG-J555

Color

(K). . . Black Type

Color	Area
(K)	[PA] . . . . Far East PX
(K)	[PE] . . . . European Military
(K)	[XM] . . . . Mexico

Please use this manual together with the service manual for Model No. SG-J555[MX], Order No. HAD85032446C1

■ CHANGE IN REPLACEMENT PARTS LIST

Note : Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these component's use only manufacturer's specified parts.

Ref. No.	Change of Part No.		Part Name & Description	
	SG-J555 [MX]	**SG-J555 [PA·PE·XM]**		
SWITCH				
S901	SSR224	SSR224—1	Voltage Selector	⚠
ACCESSORY				
A4	SQF12317	SQF12560	Instruction Book	
PACKING				
P2	SPG5196	SPG5196—1	Carton Box	
CABINET and CHASSIS PARTS				
14	SKMGJ555—KM	SKMGJ555—KP	Cabinet Ass'y	
RECORD PLAYER PARTS				
18	SJY4072—1	SJY4072	Turntable Mat	

Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

Panasonic Tokyo Office
Matsushita Electric Trading Co., Ltd.
1-2, 1-chome, Shibakoen, Minato-ku, Tokyo 105, Japan

Printed in Japan
850 750 ⓘ TN

ORDER NO. HAD8507221P3

Parts Change Notice

Model No. SG–J555S [XA]

Service Manual
Order No. HAD85042485C3

Please revise the original parts list in the Service Manual to conform to the change (s) shown herein. If new part numbers are shown, be sure to use them when orderring parts.

Reason for Change *The circled item indicates the reason. If no marking, see the Notes in the bottom column.

1.	Improve performance
2.	Change of material or dimension
3.	To meel approved specification
4.	Standardization
5.	Addition
6.	Deletion
7.	Correction
8.	Other

Interchangeability Code **The circled item Indicates the interchangeability. If no marking, see the Notes in the bottom column.

	Parts		Set Production	
A	Original	⇄	Early	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
	New		Late	
B	Original	→	Early	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.
	New	↗	Late	
C	Original	↗	Early	New parts only may be used in early or late production sets. Stock new parts.
	New	→	Late	
D	Original	→	Early	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
	New	→	Late	
E	Other			

Part Number

Model No.	Ref. No.	Original Part No.	New Part No.	Notes (***)	Part Name & Descriptions	
SG–J555S	T102	RLI4M102	**RLI4M101**	**7, C**	FM IFT	

File this Parts Change Notice with your copy of the Service Manual.

National

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ORDER NO. HAD8507221P3

Parts Change Notice

Model No. SG–J555S [XA]

Service Manual
Order No. HAD85042485C3

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6. Deletion	
7. Correction	
8. Other	

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	New	→	Late	
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	New	→	Late	
E	Other			

Part Number

Model No.	Ref. No.	Original Part No.	New Part No.	Notes (*'**)	Part Name & Descriptions	
SG–J555S	T102	RLI4M102	**RLI4M101**	**7, C**	FM IFT	

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